```
2] (local) root@192.168.0.27 ~
$ docker pull ubuntu:16.04
16.04: Pulling from library/ubuntu
61e03ba1d414: Pull complete
4afb39f216bd: Pull complete
e489abdc9f90: Pull complete
999ffff7bcc24: Pull complete
Digest: sha256:6aab78d1825b4c15c159fecc62b8eef4fdf0c693a15aace3a605ad44e5e2df0c
Status: Downloaded newer image for ubuntu:16.04
docker.io/library/ubuntu:16.04
    [2] (local) root@192.168.0.27 ~
 touch Dockerfile
   de2] (local) root@192.168.0.27 ~
$ RUN apt-get update
bash: RUN: command not found
     2] (local) root@192.168.0.27 ~
$ docker build -t kaldr4/ping
"docker build" requires exactly 1 argument.
See 'docker build --help'.
Usage: docker build [OPTIONS] PATH | URL | -
Build an image from a Dockerfile
    e2] (local) root@192.168.0.27 ~
$ docker build -t 'kaldr4/ping'
"docker build" requires exactly 1 argument.
See 'docker build --help'.
Usage: docker build [OPTIONS] PATH | URL | -
Build an image from a Dockerfile
      ] (local) root@192.168.0.27 ~
$ docker build -t 'kaldr4/ping' .
Sending build context to Docker daemon
                                            47MB
Step 1/4 : FROM ubuntu:16.04
    > 065cf14a189c
Step 2/4 : LABEL author="David Elner"
 ---> Running in 328bf16b32ee
Removing intermediate container 328bf16b32ee
---> 4f9b0ebc073c
Step 3/4 : RUN apt-get update
---> Running in cfa60ab2d55e
Get:1 http://security.ubuntu.com/ubuntu xenial-security InRelease [109 kB]
Get:2 http://archive.ubuntu.com/ubuntu xenial InRelease [247 kB]
Get:3 http://security.ubuntu.com/ubuntu xenial-security/main amd64 Packages [2051 kB]
Get:4 http://security.ubuntu.com/ubuntu xenial-security/restricted amd64 Packages [15.9 kB]
Get:5 http://security.ubuntu.com/ubuntu xenial-security/universe amd64 Packages [984 kB]
Get:6 http://security.ubuntu.com/ubuntu xenial-security/multiverse amd64 Packages [8820 B]
Get:7 http://archive.ubuntu.com/ubuntu xenial-updates InRelease [109 kB]
```

```
Nemoving intermediate container Gratuab2d55e
---> 70cae5c815a3

step 4/4: RUN apt-get install -y iputils-ping
---> Running in 1e253f83e31a
Reading package lists...
Building dependency tree...
Reading state information...

The following additional packages will be installed:
   libffi6 libgmp10 libgnutls-openss127 libgnutls30 libhogweed4 libidn11
   libnettle6 libpl1-kit0 libtasn1-6

Suggested packages:
   gnutls-bin

The following NEW packages will be installed:
   iputils-ping libffi6 libgmp10 libgnutls-openss127 libgnutls30 libhogweed4
   libidn11 libnettle6 libpl1-kit0 libtasn1-6

O upgraded, 10 newly installed, 0 to remove and 0 not upgraded.

Need to get 1307 kB of archives.

After this operation, 3781 kB of additional disk space will be used.
Get:1 http://archive.ubuntu.com/ubuntu xenial/main amd64 libmpp10 amd64 2:6.1.0+dfsg-2 [240 kB]
Get:2 http://archive.ubuntu.com/ubuntu xenial-updates/main amd64 libnettle6 amd64 3.2-1ubuntu0.16.04.2 [93.7 kB]
Get:4 http://archive.ubuntu.com/ubuntu xenial-updates/main amd64 libnettle6 amd64 3.2-1ubuntu0.16.04.2 [136 kB]
Get:4 http://archive.ubuntu.com/ubuntu xenial-updates/main amd64 libidn11 amd64 1.32-3ubuntu1.2 [46.5 kB]
Get:5 http://archive.ubuntu.com/ubuntu xenial-updates/main amd64 libp11-kit0 amd64 0.23.2-5-ubuntu1.2 [46.5 kB]
Get:6 http://archive.ubuntu.com/ubuntu xenial-updates/main amd64 libp11-kit0 amd64 0.23.2-5-ubuntu1.6.04.2 [107 kB]
Get:7 http://archive.ubuntu.com/ubuntu xenial-updates/main amd64 libp11-kit0 amd64 0.23.2-5-ubuntu1.8 [548 kB]
Get:8 http://archive.ubuntu.com/ubuntu xenial-updates/main amd64 libgnutls30 amd64 3.4.10-4ubuntu1.8 [548 kB]
Get:9 http://archive.ubuntu.com/ubuntu xenial-updates/main amd64 libgnutls30 amd64 3.4.10-4ubuntu1.8 [548 kB]
Get:10 http://archive.ubuntu.com/ubuntu xenial-main amd64 iputils-ping amd64 3.20121221-5ubuntu2 [52.7 kB]
```

```
node2] (local) root@192.168.0.27 ~
$ docker build -t 'kaldr4/ping' .
Sending build context to Docker daemon
                                           47MB
Step 1/4 : FROM ubuntu:16.04
 ---> 065cf14a189c
Step 2/4 : LABEL author="David Elner"
---> Using cache
 ---> 4f9b0ebc073c
Step 3/4 : RUN apt-get update
 ---> Using cache
 ---> 70cae5c815a3
Step 4/4 : RUN apt-get install -y iputils-ping
---> Using cache
 ---> 7cd6ab28ebf4
Successfully built 7cd6ab28ebf4
Successfully tagged kaldr4/ping:latest
[node2] (local) root@192.168.0.27 ~
$ docker images
REPOSITORY
              TAG
                        IMAGE ID
                                       CREATED
                                                        SIZE
kaldr4/ping latest
                       7cd6ab28ebf4
                                       52 seconds ago 170MB
             16.04
                        065cf14a189c 3 days ago
                                                       135MB
[node2] (local) root@192.168.0.27 ~
$ docker build -t 'kaldr4/ping' .
Sending build context to Docker daemon
                                           47MB
Step 1/4 : FROM ubuntu:16.04
---> 065cf14a189c
Step 2/4 : LABEL author="David Elner"
 ---> Using cache
 ---> 4f9b0ebc073c
Step 3/4 : RUN apt-get update
 ---> Using cache
 ---> 70cae5c815a3
Step 4/4 : RUN apt-get install -y iputils-ping
---> Using cache
 ---> 7cd6ab28ebf4
Successfully built 7cd6ab28ebf4
Successfully tagged kaldr4/ping:latest
[node2] (local) root@192.168.0.27 ~
$ docker images
REPOSITORY
             TAG
                        IMAGE ID
                                       CREATED
                                                       SIZE
                                       2 minutes ago
kaldr4/ping
              latest
                        7cd6ab28ebf4
                                                       170MB
ubuntu
              16.04
                       065cf14a189c
                                      3 days ago
                                                       135MB
[node2] (local) root@192.168.0.27 ~
$ docker build -t 'kaldr4/ping' .
Sending build context to Docker daemon
                                           47MB
Step 1/5 : FROM ubuntu:16.04
 ---> 065cf14a189c
Step 2/5 : LABEL author="David Elner"
---> Using cache
 ---> 4f9b0ebc073c
```

```
tep 3/5 : RUN apt-get update
                        -> Using cache
-> 70cae5c815a3
    Step 4/5: RUN apt-get install -y iputils-pin
---> Running in 60889e0f5e90
Reading package lists...
    Building dependency tree...
Reading state information...
 E: Unable to locate package lputis-pin
The command '/bin/sh -c apt-get install -y iputils-pin' returned a non-zero code: 100
[node2] (local) root@192.168.0.27 ~
$ docker build -t 'kaldr4/ping' .
Sending build context to Docker daemon
Step 1/5 : FROM ubuntu:16.04
---> 065cf14a189c
          tep 2/5 : LABEL author="David Elner"
    step 273 - Eabl author David Effer"
---> Using cache
---> Using cache
---> Using cache
---> 70cae5c815a3
Step 4/5 : RUN apt-get install -y iputils-ping
                                        Using cache
7cd6ab28ebf4
 ---> 7cd6ab28ebf4
Step 5/5: RUN apt-get clean && cd /var/l
---> Running in 83beb99129a7
Removing intermediate container 83beb99129a7
---> 176b3c116132
Successfully built 176b3c116132
Successfully tagged kaldr4/ping:latest
[node2] (local) root@192.168.0.27 ~
S docker images
                                                                                                                                                                                                                          [node2] (FOCH1) FOCES

$ docker images

REPOSITORY TAG IMAGE ID CREATED SIZE
kaldr4/ping latest 176b3c116132 4 seconds ago 170MB

ubuntu 16 04 065cf14a189c 3 days ago 135MB
    uccessfully tagged Kaldrifyping:latest
mode/2 [Josel] roce18/2.168.0.27 

MOME ID CREATED BIJE
Addrifying latest 1768.511512 4 seconds ap 170MB
buttu 16.04 055c1154189 3 days ago 139MB
mode/2 [Josel] roce18/2.168.0.27 

docker build "t 'kaldrifyping' |
ending build-conduct to Docker demon 47MB
mode/2 [Josel] roce18/2.168.0.27 

ending build-conduct to Docker demon 47MB
mode/2 [Josel] roce18/2.168.0.27 

**Seconduct to Docker demon 47MB

**Tel 18/0.00 |

**Tel 28/0.00 |

**Tel 2
| Amount | A
```

```
Successfully tagged kaldr4/ping:latest
     2] (local) root@192.168.0.27 ~
 docker images
REPOSITORY
             TAG
                        IMAGE ID
                                       CREATED
                                                            SIZE
kaldr4/ping
                        72d874a1b25b
                                       3 seconds ago
                                                            139MB
             latest
<none>
             <none>
                        ef627dc64893
                                      About a minute ago
                                                            139MB
                                      2 minutes ago
                        176b3c116132
                                                            170MB
<none>
             <none>
             16.04
                        065cf14a189c
                                       3 days ago
                                                            135MB
ubuntu
   de21 (local) root@192.168.0.27 ~
$ docker run -t kaldr4/ping
PING google.com (172.217.13.238) 56(84) bytes of data.
64 bytes from iad23s61-in-f14.1e100.net (172.217.13.238): icmp_seq=1 ttl=113 time=1.29 ms
64 bytes from iad23s61-in-f14.1e100.net (172.217.13.238): icmp_seq=2 ttl=113 time=1.17 ms
64 bytes from iad23s61-in-f14.1e100.net (172.217.13.238): icmp_seq=3 ttl=113 time=1.33 ms
64 bytes from iad23s61-in-f14.1e100.net (172.217.13.238): icmp_seq=4 ttl=113 time=1.38 ms
°C64 bytes from iad23s61-in-f14.1e100.net (172.217.13.238): icmp seq=5 ttl=113 time=1.28 ms
64 bytes from iad23s61-in-f14.1e100.net (172.217.13.238): icmp_seq=6 ttl=113 time=1.28 ms
C64 bytes from iad23s61-in-f14.1e100.net (172.217.13.238): icmp_seq=7 ttl=113 time=1.31 ms
64 bytes from iad23s61-in-f14.1e100.net (172.217.13.238): icmp_seq=8 tt1=113 time=1.22 ms
°C64 bytes from iad23s61-in-f14.1e100.net (172.217.13.238): icmp_seq=9 ttl=113 time=1.26 ms
e64 bytes from iad23s61-in-f14.1e100.net (172.217.13.238): icmp_seq=10 ttl=113 time=1.39 ms
xit64 bytes from iad23s61-in-f14.1e100.net (172.217.13.238): icmp seq=11 ttl=113 time=8.73 ms
64 bytes from iad23s61-in-f14.1e100.net (172.217.13.238): icmp_seq=12 ttl=113 time=1.20 ms
°C^C64 bytes from iad23s61-in-f14.1e100.net (172.217.13.238): icmp seq=13 ttl=113 time=1.25 ms
64 bytes from iad23s61-in-f14.1e100.net (172.217.13.238): icmp_seq=14 ttl=113 time=1.19 ms
64 bytes from iad23s61-in-f14.1e100.net (172.217.13.238): icmp_seq=15 ttl=113 time=1.24 ms
64 bytes from iad23s61-in-f14.1e100.net (172.217.13.238): icmp_seq=16 ttl=113 time=1.27 ms
64 bytes from iad23s61-in-f14.1e100.net (172.217.13.238): icmp seq=17 ttl=113 time=1.20 ms
64 bytes from iad23s61-in-f14.1e100.net (172.217.13.238): icmp_seq=18 ttl=113 time=1.17 ms
64 bytes from iad23s61-in-f14.1e100.net (172.217.13.238): icmp_seq=19 ttl=113 time=1.17 ms
°C64 bytes from iad23s61-in-f14.1e100.net (172.217.13.238): icmp_seq=20 ttl=113 time=1.29 ms
```

Note: In this particular PDF, I there were a lot of code whenever the file is being built so I took the liberty to cut them since I don't think they need to be shown. Also in the last part, Docker bugged and doesn't stop the terminal whenever I press CTRL C (I'm using a browser docker)

Dockerfile x

↑ Save

C Reload

```
1 FROM ubuntu:16.04
2 LABEL author="David Elner"
3
4 ENV PING_TARGET "google.com"
5
6 RUN apt-get update \
7    && apt-get install -y iputils-ping \
8    &apt-get clean \
9    && cd /var/lib/apt/lists && rm -fr *Release* *Sources* *Packages* \
10    && truncate -s 0 /var/log/*log
11
12 CMD ["sh", "-c", "ping $PING_TARGET"]
```